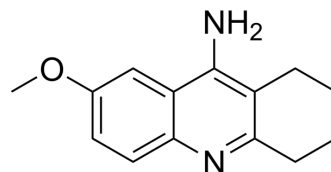


7-Methoxytacrine

Cat. No.:	HY-W049312
CAS No.:	5778-80-3
Molecular Formula:	C ₁₄ H ₁₆ N ₂ O
Molecular Weight:	228.29
Target:	Cholinesterase (ChE)
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	7-Methoxytacrine (7-MEOTA) is an inhibitor of human acetylcholinesterase (hAChE) with an IC ₅₀ value of 10 μM, and can be used for the research of Alzheimer's disease (AD) ^[1] .	
IC ₅₀ & Target	hAChE 10.5 μM (IC ₅₀)	hBCHE 21 μM (IC ₅₀)

REFERENCES

[1]. Spilovska K, et al. 7-Methoxytacrine-adamantylamine heterodimers as cholinesterase inhibitors in Alzheimer's disease treatment--synthesis, biological evaluation and molecular modeling studies. *Molecules*. 2013;18(2):2397-2418. Published 2013 Feb 20.

Caution: Product has not been fully validated for medical applications. For research use only.

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